ASHRAE RESEARCH PROJECT ANALYSIS

(Completed by Staff January 2002)

Project Number & Title: 1261-URP, Design Guide for Tall Commercial Buildings

Responsible TC/TG: TC 9.12, Tall Buildings

Justification of Need: The HVAC industry has the need for a Design Guide containing alternative solutions that are appropriate to the heating, ventilating and air conditioning needs of tall commercial buildings. Tall commercial buildings present design problems that differ from low-rise buildings as a result of the unique nature of this type of project. These special needs are a result of real estate considerations, including the multi-use, multi-tenant alternatives that frequently exist within the tall commercial building, limitations on the location and size of space that is available for mechanical equipment in a tall commercial building, the special design considerations due to the often present stack effect and varying wind currents around the building, and the highly special life safety considerations for the occupants of the tall commercial buildings that are substantially different in a multi-floor, high-rise structure from those of any other type of building.

Work Statement Authors: Not Applicable

Category: Design Tools

Classification: Technology Transfer

RTAR Submitted: (year) Not Applicable

Position on TC/TC Research Plan: N/A

Position on ASHRAE Research Plan:

Coordinated with TC:

Relates to Previous Project: 920-RP

Vote of TC/TG:

Vote of RAC:

Vote of RAS:

Vote of Tech Council:

Allocation of ASHRAE Funds Per Fiscal Year

2001-2002	2002-2003	2003-2004
$7,600	$15,200	$7,700

Other Information (such as comments from TC/TG or RAC, Justification of low bidders not being recommended, practical application of results, reason for negative votes, etc.)

TC 9.12 was sponsoring a competitively bid project 920-RP. This $74,250 project was terminated when the contractor was unable to satisfy the TC with the Final Report, after numerous attempts. $66,800 has been spent on this subject. Mr. Ross submitted this URP as a way to salvage this work at a minimum additional cost.

ESTIMATED	18M	$30,500	SCORE
Donald E. Ross, P.E.	18 mos.	$30,500	

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Source: https://www.industrydocuments.ucsf.edu/docs/ppxj0001